	AGENCY USE ONLY				
MT(501019	MIT NO.:   Date Rec'd.: Amount Rec'd.:   Check No.:   Rec'd By:				
	JAN 29 2014				
N N	Montana Department of PERMITTING & COMPLIANCE DIV.				
	WATER PROTECTION BUREAU				
FORM <b>NOI</b>	Notice of Intent (NOI) for Montana Pollution Discharge Elimination System Application for New and Existing Concentrated Animal Feeding Operations				
(CAFO) or Aquatic form. You must prin	n is to be completed by the owner or operator of a Concentrated Animal Feeding Operation Animal Production Facility. Please read the attached instructions before completing this t or type legibly; forms that are not legible or are not complete will be returned. You must ne completed application form for your records.				
Section A - Applica	tion Status (Check one):				
New	No prior application submitted for this site.				
Resubmitted	Permit Number: MTG				
Renewal	Permit Number: MTG 0 1 0 1 9 9				
Modification	Permit Number: MTG				
=	or Site Information (See instruction sheet.): RRANCH & FEEDLOT, INC				
Site Location SECT	ION 8 & 17, RANGE 30E, TOWNSHIP 9N				
Nearest City or Town	1 MELSTONE County MUSSELSHELL				
Latitude N 46, 33' 0" Longitude W 107, 58' 34"					
Date Facility began of					
	located on Indian Lands? Yes V No				
	nt (Owner/Operator) Information:				
Owner or Operator N Mailing Address PO	lame WILLIAM EDWARD BERGIN BOX 49				
	Code MELSTONE, MT 59054				
Phone Number 406-	947-2103				
	pove the owner? Ves No				
Status of Applicant (Ch	eck one) Federal State Private Public Other (specify)				

213 Page 1 of 8

Section D - Existing or Pending Permits, Certifications, or Approvals: None					
ES			] RCRA		
(Air Emissions)	****		Other	MT \$010199	
			Other		
E – Standard Indu	ıstrial Classifi	ication (SIC) Co	des:		
e at least one SIC code	which best ref	lects the activity c	of project	described in Section H.	
A. Pi		Code		B. Second	
211		2			
L.	Third			D. Fourth	
		3			
F - Facility or Site (	Contact Perso	n/Position:			
d Title, or Position T	Γitle				
171 0 1					
umber					
G – Receiving Surfa	ace Waters(s)				
Outfall/Discharge Lo					
Outfall Number	Latitude	Longitude		Receiving Surface Waters	
***************************************	46,33'31"	107, 58' 38"	MUSSE		
002					
				,	_
				ę	4
					4
		-			1
depicting the facility of so identify the specific	or activity boun c location of the	ndaries, major drain e production area, a	nage patt and land	terns, and the receiving surface waters, application area(s).	in stated
	Ach a topographic map depicting the specific so identify the specific s	Permit (dredge & fill)  The E - Standard Industrial Classification of the SIC code which best reform the Atlanta Classification of the SIC code which best reform the Atlanta Classification of the SIC code which best reform the Atlanta Classification of the SIC code which best reform the Atlanta Classification of the SIC code which best reform the Atlanta Classification of the SIC code which best reform the Atlanta Classification of the SIC code which best reform the Atlanta Classification of the SIC code which best reform the Atlanta Classification of the SIC code which best reform the Atlanta Classification of the SIC code which best reform the Atlanta Classification of the SIC code which best reform the Atlanta Classification of the SIC code which best reform the Atlanta Classification of the SIC code which best reform the	A. Primary  Code  A. Primary  Code  A. Primary  Code  C. Third  Code  C. Third  Code  C. Third  Code  Code	RCRA   Air Emissions   Other   Other	RCRA   MT \$010199

Section H - Concentration Animal Feeding Operation Characteristics Waste Production, Storage and Disposal Number Housed Under Number in Open **Animal type** Confinement Roof **Mature Dairy Cows** Dairy Heifers **Veal Calves** Ø Cattle (not dairy or veal) 5000 Swine (55 lbs or over) Swine (55 lbs or under)

L	Utner (Specify:						J
	Litter and/or Wastewater Product n manure, litter, and process wastewa			the facility?			
Solid (tons	s): <u>2730</u>		Liquid/Slurry (g	allons):		maran ar	
process wa	olied, how many acres of land under astewater generated from the facility Acres a manure, litter, and process wasteway	? (Note: Date: Date: I	o not include setba	ack distances rsons per yea	in available a	acreage	ter, or
Were the c	containment structures built after Feb Do the waste containment structure formations? Do the waste containment structur Were any of the waste containment	oruary 200 es have 10 es have 4	6? feet of separation l	between the p	l bottom and a	•	

Horses

Turkeys

Ducks

Sheep or Lambs

Chickens (broilers)

Chickens (layers)

Other (Specify:

Other (Specify:

	Type of Containment/Storage	Total Capacity	Units (gallons or tons)	Days of Storage	
	☐ Anaerobic Lagoon				
	☐ Storage Pond #1				
	☐ Storage Pond #2				
	☐ Storage Pond #3				
	☐ Storage Pond #4				
	☐ Storage Pond #5				
	☐ Above Ground Storage Tank				
	☐ Below Ground Storage Tank #1				
	Below Ground Storage Tank #2				
	Underfloor Pits				
	□ Roofed Storage Shed				
	Concrete Pad				
	Impervious Soil Pad		We are the un-		
ı	Other (Specify: FILTER STRIP )	3.5 ACRES	6' DEEP	11.3 ACRE FIELD	
	Other (Specify: )				
Physica	ll Data for CAFO				
All Comimplement the Department of the Departme	t Management Plan centrated Animal Feeding Operations seeking that a Nutrient Management (NMP). The NM artment (Form NMP). Check the box belowed in accordance with ARM 17.30.1334 and as the facility have an NMP? The NMP was developed:  The NMP was last modified:  The NMP was last modified:  The NMP was last modified in the NMP was not been prepared; provide detailed expected in the NMP was last modified.	IP must be submitted that applies and progression of the progression o	ed to the Department using ovide the required information.	g the form provided by ation. The NMP must b	e

## Section J - CERTIFICATION

#### **Permittee Information:**

This Form NMP must be completed, signed, and certified as follows:

- For a corporation, by a principal officer of at least the level of vice president;
- For a partnership or sole proprietorship, by a general partner or the proprietor, respectively; or
- For a municipality, state, federal, or other public facility, by either a principal executive officer or ranking elected official.

## All Permittees Must Complete the Following Certification:

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information; including the possibility of fine and imprisonment for knowing violations. [75-5-633, MCA]

A. Name (Type or Print)

WILLIAM EDWARD BERGIN

B. Title (Type or Print)

**PRESIDENT** 

C. Phone No.

406-947-2103

D. Signature

with Edwil B

E. Date Signed

1/26/2014

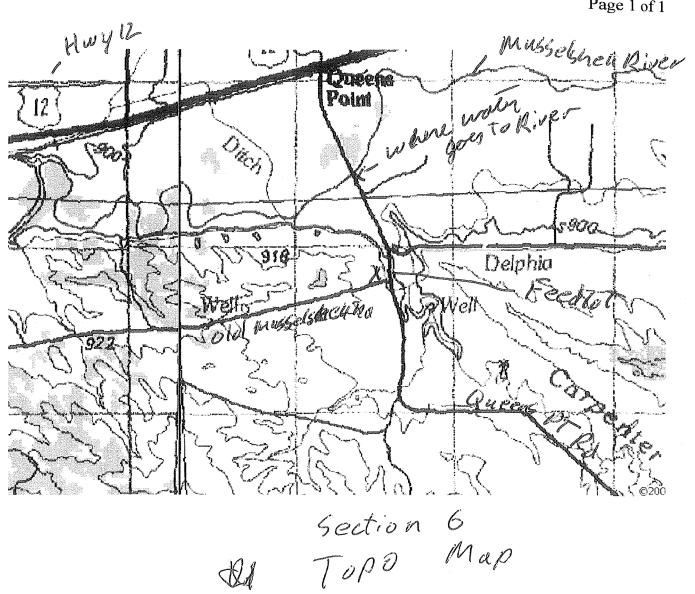
The Department will not process this form until all of the requested information is supplied, and the appropriate fees are paid. Return this form (NOI) and the applicable fee to:

Department of Environmental Quality
Water Protection Bureau
PO Box 200901
Helena, MT 59620-0901
(406) 444-3080

RECEIVED

JAN 29 2014

DEQ/WPB
PERMITTING & COMPLIANCE DIV.



AGENCY USE ONLY							
MTG018	MIT NO.: )   9 9	Date Rec'd.;	Amount Rec'd.:	Check No.:	Rec'd By:		
Montana Department of  AN 29 2014  ENVIRONMENTAL QUALITY & COMPLIANCE DIV.							
form <b>NM</b>	P	Nutric		gement Pla	an		
to read the "Instruction operators develop a applicable State rule of the General Perm stated on the most recorresponding section."	tions For filling or site-specific Nutres and statutes. You wit. Sections B and ecently submitted on number on this	s need to read the General aut Form NMP," found at the rient Management Plan, in our Nutrient Management d C on your Form NMP multiversion of your NOI-CAF is NMP form. The 2013 Ge Bureau at (406) 444-3080 c	ne back of this form. compliance with Par Plan must be mainta ust state the information. Attach additional meral Permit, current	Form NMP is intended in IV.A of the General ined at the site as required tion exactly the same all pages as necessary, the fee schedule, and reference in the same in the same and reference in the same in the sa	ed to help CAFO Il Permit and all uired in Part III way as it was indicating the lated forms are		
Section A – NMP New No		MP submitted for this sit	e.				
Resubmitted	Previous N	MP found incomplete.					
Modification	Modification Change or update to existing NMP.						
New 2013		version of NMP.					
Section B – Facility Facility Name FO	STER RANCH SECTION 8 &	H & FEEDLOT, INC 9, R30 E, T9 N	County_MU	JSSELSHELL			
Section C – Appli	cant (Owner/C	Operator Information):					

Mailing Address PO BOX 49

Facility Phone Number 406-947-2103

Email jen\_bergin@hotmail.com

Owner or Operator Name WILLIAM EDWARD BERGIN, JR.

City, State, and Zip code MELSTONE, MT 59054

Sectio	n D – NMP Minimum Elements:			
	1. Livestock Statistics			
	Animal Type and number of animals	# of Days on Site (per year)	Annual Manure Production (tons, cu. yds. or gal	
	1. BEEF CATTLE UP TO 5000	45-300	2730 T	
	2.			
	3.			
	4.			
	5.			
	6.			
	7.			
	8.			
a. Do MANUR YEAR, CLEAN	nure Handling escribe Manure handling at the faction of the secribe Manure handling at the faction of the secribe Manure is removed from the place is done usually in July, august equency of Manure Removal from CK PILED IN CENTER OF PEN A	IE BÜNKS TO THE CENTER OF THE PEIPEN. CLEANING HAS OCCURED IN ALL T, AND SEPTEMBER.  1 confinement areas:	L MONTHS OF THE YEAR, BUT MAII	N
If s	this manure temporarily stored in so then how and where? STORE THE MANURE FOR A MINIMUM R. ONCE ENOUGH HAS BEEN TRASPOR	TIME UNTIL ENOUGH MANURE HAS BE	EEN HAULED WITH THE SEMI AND	) THE
	manure stored on impervious surf yes, describe type and characterist			

Waste Control Structures (name/type)	Length (ft.)	Width (ft.)	Depth (ft.)	Volume (cubic ft. or gallons)	Number of days of storage
1. FILTER STRIPS	1550	100	.5-1	3.5 acres	
2.				+11.3	
3.				acre field	
4.					
5.					
6.					
7.					
8.				,	
9.					
10.					
11.					
12.					

What is the 24 hr. 25 yr. storm event at t Production area: 12acres.	
Area contributing drainage form outside conveyance, or treatment structures: 1	e CAFO that enters confinement areas and waste storage,acres.
What is the annual precipitation during	the critical storage period 3.59" - see attachment
How much freeboard do the pond(s) hav	ve 3 feet
4. Disposal of Dead Animals.	
<b>Describe how dead animals are disposed</b> DEAD ANIMALS ARE REMOVED FROM THE FEE W107.58.34, ON PREMISES.	of at this facility: EDLOT IMMEDIATLY AND BURIED IN THE DESIGNATED DESIGN AREA, N46.33.6

## 5. Clean Water Diversion Practices

**Describe how clean water is diverted from production area:** CLEAN WATER IS DIVERTED AWAY FROM PENS VIA DIKES.

6. Prohibiting Animals and Wastes from Contact with State Waters

Describe how animals and wastes are prohibited from direct contact with state waters:

THE CAFO IS NOT SITUATED NEAR STATE WATERS (APPROXIMATELY 1 MILE FROM THE MUSSELSHELL RIVER) AND ANIMALS AND WASTE DO NOT HAVE ACCESS TO SUCH.

Describe how Chemicals and other contaminants are handled on-site:

CHEMICALS ARE STORED IN A SECURED BUILDING BEHIND A CLOSED DOOR OFF SITE. CHEMICALS AT FEEDLOT ARE REGULATED TO VETERINARY MEDICAL USAGE ONLY. SPOT SPRAYING OF WEEDS TAKES PLACE DURING SPRING AND FAL ACCORDING TO LABEL USE.

## 7. Best Management Practice (BMPS)

Describe in detail all temporary, permanent and structural BMPS which will be used to control runoff of pollutants from facility's production area. Indicate the location of these measures. If BMPS are not installed include a schedule for implementation of each of these measures. Examples of BMP measures could include but are not limited to: constructing ditches, terraces,, and waterways above and open lot to divert clean water run on; installing gutters, downspouts and buried conduits to divert roof drainage; providing more roofed area: decreasing open lot surface area; repairing of adjusting water systems to minimize water wastage; using practical amounts of water for cooling purposes; recycling water if practical and applicable.

#### **Production Area BMP's**

The BMP in place at the feedlot, is a designed system of filter strips which filter out contaminets. All water drainage flows into specific area from the pens which then flows into the filter strips. The feedlot is placed next to a county road where sloping of the road keeps the rainwater drainage into the lot to a minimum. All water tanks are linked to the drainage system and are checked daily to ensure proper drainage and to prevent overflows and unneccessary water usage. Clean water is diverted away from pens to ensure minimal contamination opportunity. Pens are well maintained and clread to decrease contaminates and nurtrient application is properly used on designated fields. Filter strips were designed by MSU and NRCS with ag tours given shortly after construction to provide an example of proper construction and management. Application of irrigation water is monitored closely to preven runoff.

Describe in detail all temporary, permanent and structural Best Management Practices (BMPs) which will be used to control runoff of pollutants from facility's land production area. Indicate the location of these practices. If not already in use, include a schedule for implementation of each of these measures. Attached details and specifications may be used to supplement this description. Examples of BMP measures could include but are not limited to: maintaining setbacks from surface waters for manure applications; managing irrigation practices to prevent ponding of wastewater on land application sites;

never spray irrigating waste on to frozen ground: consulting with the Department prior to applying any							
liquid waste to frozen or s	snow-covered ground;	applying wastes at agronon	nic rates.				
Land Application BMP's	,						
			•				
Buffers	Yes No	Conservation Tillage	Yes No				
Constructed Wetlands	Yes No	Grass Filter	Yes No				
Infiltration Field	Yes No	Residue Management	Yes No				
Set backs	Yes No	Terrace	Yes No				
Other examples	Eminal Raisead						
8. Implementation, Opera	ation, Maintenance and	d Record Keeping – Guidar	nce				
The permittee is required	l to develop guidance a	ddressing implementation	of NMP, proper operation and				
		as described in Part 2 of th					
Has a guidance document			*				
Certify the document add	Iress the following requ	uirements:					
Implementation of the NM	MP: Yes	s No					
Facility operation and ma	· · · · · · · · · · · · · · · · · · ·	s No					
Record keeping and repor	rting Yes	s No					
Sample collection and ana	alysis: Yes	s No					
Manure transfer	✓ Ye <sup>s</sup>	s No					
Provide name, date and lo JENNIFER BERGIN - SECRETA MT 59054	ocation of most recent ( NRY, 1/26/2014, FOSTER RA	documentation: ANCH & FEEDLOT, INC. OFFICE,	, 71 QUEEN'S POINT RD, MELSTONE,				
If your answer to any of	the above question is r	no, provide explanation:					

Section E – Land Application  Will manure be land applied to land either owned, rented, or leased by the owner or operator of the facility?  Yes If yes, then the information requested in Section E must be provided.  No If no, then provide an explanation of how animal waste at this facility are managed.
MANURE WILL BE GIVEN TO AREA RANCHERS, WITH TRANSFER DOCUMENTS RECORDED.
Photos and/or Maps Attach an aerial photograph or map of the site where manure is to be applied. (Use multiple photos/maps if necessary to show required details.) The photo(s)/map(s) must be printed on no larger than an 11"X 17" piece of paper, and must clearly identify the following items:  Individual field boundaries for all planned land application areas A name, number, letter or other means of identifying each individual land application field The location of any downgradient surface waters. The location of any downgradient open tile line intake structures The location of any downgradient sinkholes The location of any downgradient agricultural well heads The location of all conduits to surface waters The specific manure/waste handling or nutrient management restrictions associated with each land application field The soil type(s) present and their locations within the individual land application field(s) The location of buffers and setbacks around state surface waters, well heads, etc.
Land Application Equipment Calibration  Describe the type of equipment used to land apply wastes and the calibration procedures:
Manure Sampling and Analysis Procedures A representative manure sample will be analyzed a minimum of once annually for Total Nitrogen, and Total Phosphorus. Analysis results will be reported in lbs/ton or lbs/1,000 gal. Results of these analyses will be used in determining rates for manure, litter, and process wastewater.  Manure Sample collection will occur according to ARM 17.30.1334  Other (describe)
Soil Sampling and Analysis Procedures Representative soil (composite) samples from the top 6 inches layer of soil for each field where manure will be applied must be analyzed for phosphorus content at least once every three years. Analyses will be conducted by a qualified laboratory, using the Olsen P test. Results will be reported in parts per million (ppm) and will be used in determining application rates for manure, litter, and process wastewater
Soil samples collection will occur according the methods in ARM 17.30.1334

# Phosphorus Risk Assessment

The permittee shall access the risk of phosphorus contamination of state waters. An assessment shall be conducted for each field, under the control of the operator, to which manure, litter or process wastewater will or

Other (describe)

may be applied. If a new field is added in the future, then the permittee must submit a revised (modified) NMP. The permittee has the option of using Method A or Method B (below) to complete the assessment. Copies of all tables and calculations used to complete the assessments, as well as the results of the assessments, shall be submitted to the Department and copies shall be maintained on-site at the facility and available for Departmental review. The results of the assessments shall be used to determine the appropriate basis for land application of wastes from the facility.

#### Method Used

Indicate which method will be used to determine phosphorus application:

Method A – Representative Soil Sample

Method B - Phosphorus Index

# Method A – Representative Soil Sample

- a. Obtain one or more representative soil sample(s) from the field per 17.30.1334
- b. Have the sample analyzed for Phosphorus by a qualified lab. The "Olsen P test" must be used for the analysis, and the result must be reported in parts per million (ppm)
- c. Using the results of the Olsen P test, determine application basis according to the Table below.

### Soil Test

Olsen P Soil Test Results (ppm)	Application Basis
<25.0	Nitrogen Needs of Crop
25.1 - 100.0	Phosphorus Needs of Crop
100.0 - 150.0	Phosphorus Needs up to Crop Removal Rate
>150.0	No Application allowed

## Method B – Phosphorus Index

- a. Complete a phosphorus Index according to the crop grown on each field. Complete table in Appendix A to calculate phosphorus index. For information on filling out specific sections in Appendix A, please refer to the method as described in Natural Resource Conservation Service (NRCS), Agronomy Technical Note MT-77 (rev3), January 2006.
- b. Using the calculated Total Phosphorus Index Value, assign the overall site/field vulnerability to phosphorus loss according to the table below.

Total Phosphorus

Total Phosphorus Index Value	Site Vulnerability to Phosphorus Loss
<11	Low
11-21	Medium
22-43	High
>43	Very High

c. Using the calculated Site Vulnerability to Phosphorus Loss, determine the appropriate application basis according to the table below.

Site Vulnerability to Phosphorus Loss	Application Basis	
Low	Nitrogen Needs	
Medium	Nitrogen Needs	
High	Phosphorus Need Up to Crop Removal	
Very High	Phosphorus Crop Removal or No Application	

The applicant has 2 ways in which to report how manure or process wastewater application rates can be reported to DEQ.

- 1. Linear Approach. Expresses rates of application as pounds of nitrogen and phosphorus. CAFOs selecting the linear approach to address rates of application must include in the NMP submitted to the permitting authority the following information for each crop, field, and year covered by the NMP, which will be used by the permitting authority to establish site-specific permit terms:
- The maximum application rate (pounds/acre/year of nitrogen and phosphorus) from manure, litter, and process wastewater.
- The outcome of the field-specific assessment of the potential for nitrogen and phosphorus transport from each field. [If a state does not have an N transport risk assessment, the NMP must document any basis for assuming that nitrogen will be fully used by crops.] The CAFO must specify any conservation practices used in calculating the risk rating.
- The crops to be planted or any other uses of a field such as pasture or fallow fields.
- The realistic annual yield goal for each crop or use identified for each field.
- The nitrogen and phosphorus recommendations from in ARM 17.30.1334 (technical standard) for each crop or use identified for each field.
- Credits for all residual nitrogen in each field that will be plant-available.
- Consideration of multi-year phosphorus application. For any field where nutrients are applied at a rate based on the crop phosphorus requirement, the NMP must account for single-year nutrient applications that supply more than the crop's annual phosphorus requirement.
- All other additions of plant available nitrogen and phosphorus (i.e., from sources other than manure, litter, or process wastewater or credits for residual nitrogen).
- The form and source of manure, litter, and process wastewater to be land-applied.
- The timing and method of land application. The NMP also must include storage capacities needed to ensure adequate storage that accommodates the timing indicated.
- The methodology that will be used to account for the amount of nitrogen and phosphorus in the manure, litter, and wastewater to be applied.
- Any other factors necessary to determine the maximum application rate identified in accordance with this Linear Approach.
- 2. Narrative Rate Approach. Expresses a narrative rate of application that results in the amount, in tons or gallons, of manure, litter, and process wastewater to be land applied. CAFOs selecting the narrative rate approach to address rates of application must include in the NMP submitted to the permitting authority the following information for each crop, field, and year covered by the NMP, which will be used by the permitting authority to establish site-specific permit terms:
- The maximum amounts of nitrogen and phosphorus that will be derived from all sources of nutrients (pounds/acre for each crop and field).
- The outcome of the field-specific assessment of the potential for nitrogen and phosphorus transport from each field. The CAFO must specify any conservation practices used in calculating the risk rating.
- The crops to be planted in each field or any other uses of a field such as pasture or fallow fields, including alternative crops if applicable. Any alternative crops included in the NMP must be listed by field, in addition to the crops identified in the planned crop rotation for that field.
- The realistic annual yield goal for each crop or use identified for each field for each year, including any alternative crops identified.
- The nitrogen and phosphorus recommendations from *[the permitting authority to specify acceptable sources]* for each crop or use identified for each field, including any alternative crops identified.
- The methodology (including formulas, sources of data, protocols for making determination, etc.) and actual data that will be used to account for: (1) the results of soil tests required by Parts II.A.4.b and III.A.3.g of this

permit, (2) credits for all nitrogen in the field that will be plant- available, (3) the amount of nitrogen and phosphorus in the manure, litter, and process wastewater to be applied, (4) consideration of multi-year phosphorus application (for any field where nutrients are applied at a rate based on the crop phosphorus requirement, the methodology must account for single-year nutrient applications that supply more than the crop's annual phosphorus requirement), (5) all other additions of plant available nitrogen and phosphorus to the field (i.e., from sources other than manure, litter, or process wastewater or credits for residual nitrogen), (6) timing and method of land application, and (7) volatilization of nitrogen and mineralization of organic nitrogen.

- Any other factors necessary to determine the amounts of nitrogen and phosphorus to be applied in accordance with the Narrative Rate Approach.
- NMPs using the Narrative Rate Approach must also include the following projections, which will not be used by the permitting authority in establishing site-specific permit terms:
- i. Planned crop rotations for each field for the period of permit coverage.
- ii. Projected amount of manure, litter, or process wastewater to be applied.
- iii. Projected credits for all nitrogen in the field that will be plant-available.
- iv. Consideration of multi-year phosphorus application.
- v. Accounting for other additions of plant-available nitrogen and phosphorus to the field.
- vi. The predicted form, source, and method of application of manure, litter, and process wastewater for each crop
  - If the receiving water is on the 303(d) list for nutrients then the narrative rate approach must be used.
  - a. For the Linear Approach the permittee will complete the Nutrient Budget Worksheet, below, for the next 5 years to which manure or process waste water is or may be applied. A copy of each Nutrient Budget Worksheet will be maintained on site, and a copy will be submitted to the Department.

		Budget Worksheet Year			
		~ <del>~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ </del>	:	crop:	
		d Crop Yield:	1: 6	*1	
		rus index results or Phosphorus	s application from	soil test:	
		of Application:			
		ill application occur:	N:4	Diameter	Source of
Nui	rient	Budget	Nitrogen-based Application	Phosphorus- based Application	information
1		Crop Nutrient Needs, lbs/acre			
2	(-)	Credits from previous legume crops, lbs/ac			
3	(-)	Residuals from past manure production lbs/acre			
4	(-)	Nutrients supplied by commercial fertilizer and Biosolids, lbs/acre			
5	(-)	Nutrients supplied in irrigation water, lbs/acre			
6		= Additional Nutrients Needed, lbs/acre			
		Total Nitrogen and			
7		Phosphorus in manure, lbs/ton or lbs/1000 gal			
	ļ	(from manure test)			
8	(x)	Nutrient Availability factor, for Phosphorus based application use 1.0			
9		= Available Nutrients in Manure, lbs/ton or			
-		lbs/1000 gal		,	
		Additional Nutrients			
10		needed, lbs/acre (calculated above)			
		Available Nutrients in			
11	(/)	Manure, lbs/ton or lbs/1000			
		gal (calculated above)			
		= Manure Application			
12		Rate, tons/acre or 1000			
		gal/acre			

## Section F - CERTIFICATION

Permittee Information: This form must be completed, signed, and certified as follows:

- For a corporation, by a principal officer of at least the level of vice president;
- For a partnership or sole proprietorship, by a general partner or the proprietor, respectively; or
- For a municipality, state, federal, or other public facility, by either a principal executive officer or ranking elected official.

## All Permittees Must Complete the Following Certification:

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information; including the possibility of fine and imprisonment for knowing violations. [75-5-633, MCA]

A. Name (Type or Print)					
WILLIAM EDWARD BERGIN, JR					
B. Title (Type or Print)	C. Phone No.				
PRESIDENT	406-947-2103				
D. Signature	E. Date Signed				
With Ber	01/26/2014				

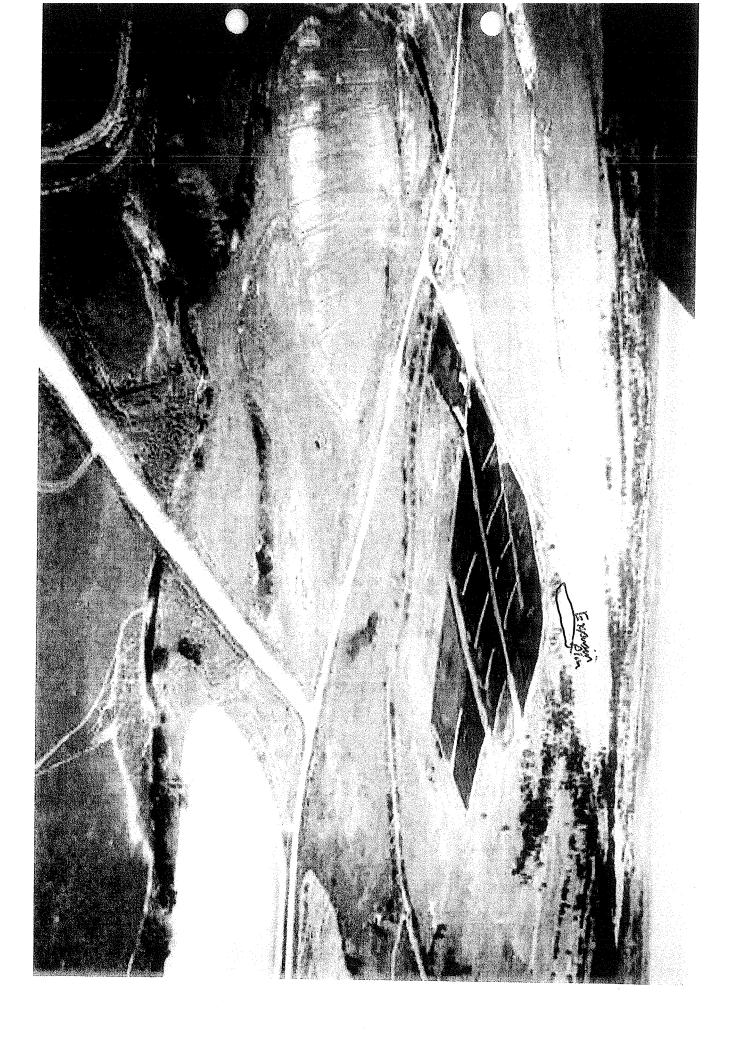
The Department will not process this form until all of the requested information is supplied, and the appropriate fees are paid. Return this form and the applicable fee to:

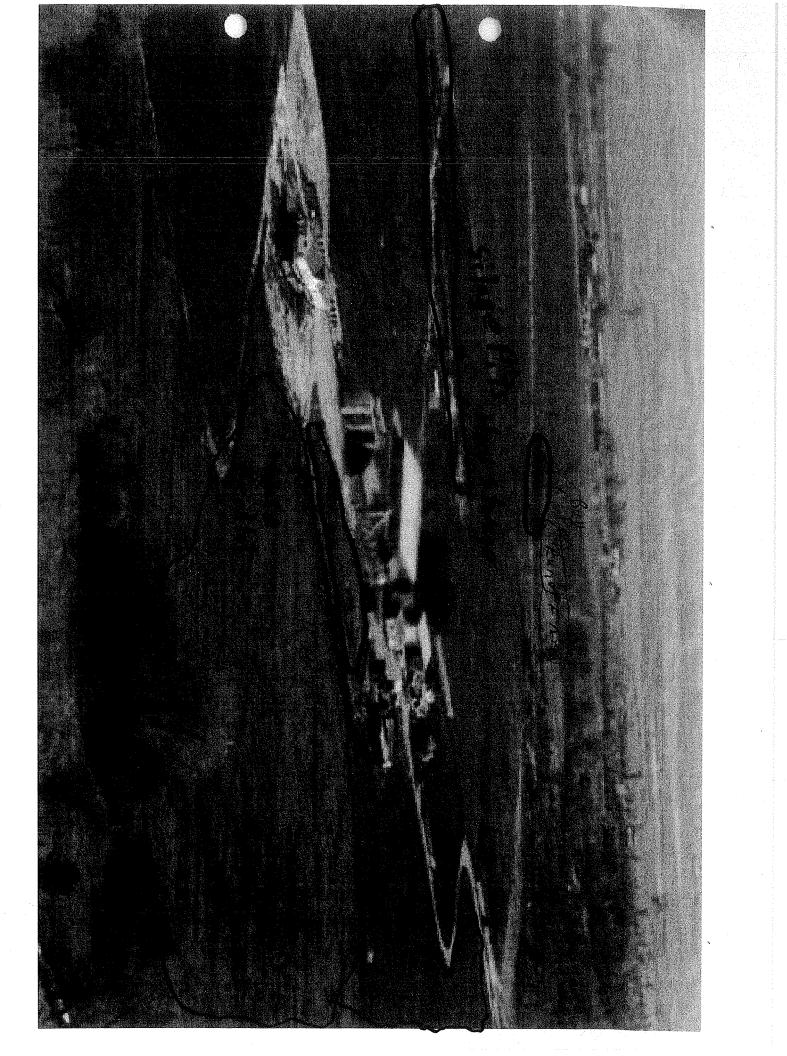
Department of Environmental Quality
Water Protection Bureau
PO Box 200901
Helena, MT 59620-0901
(406) 444-3080

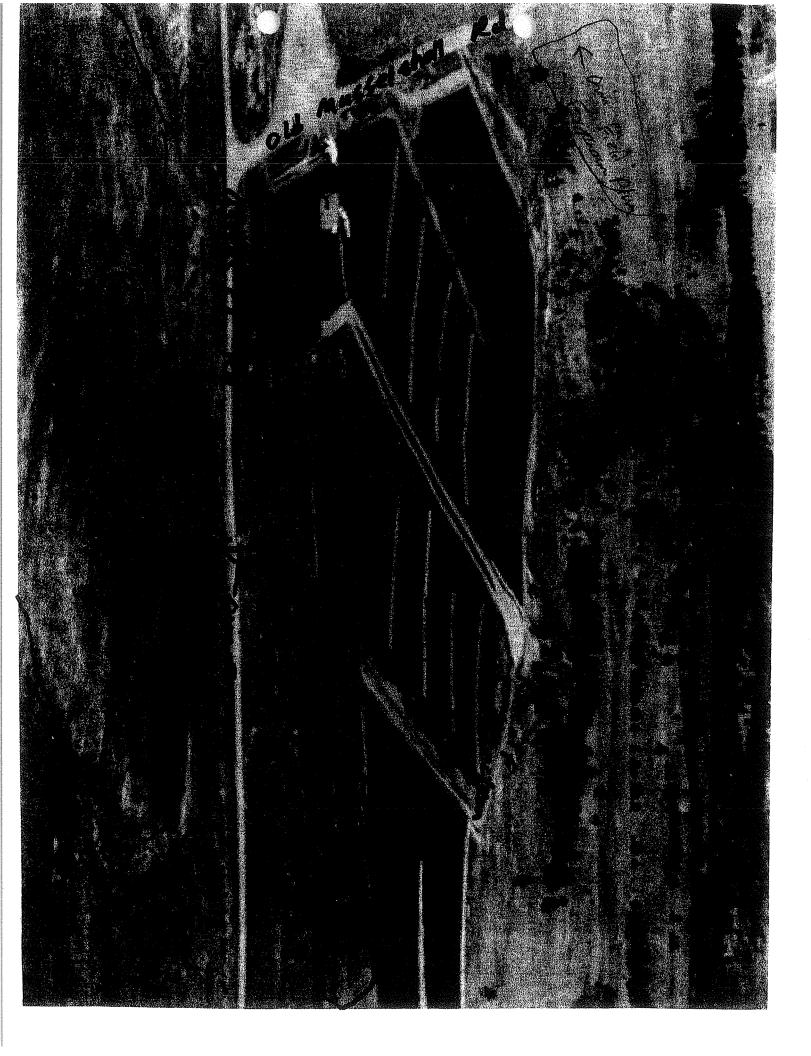
RECEIVED

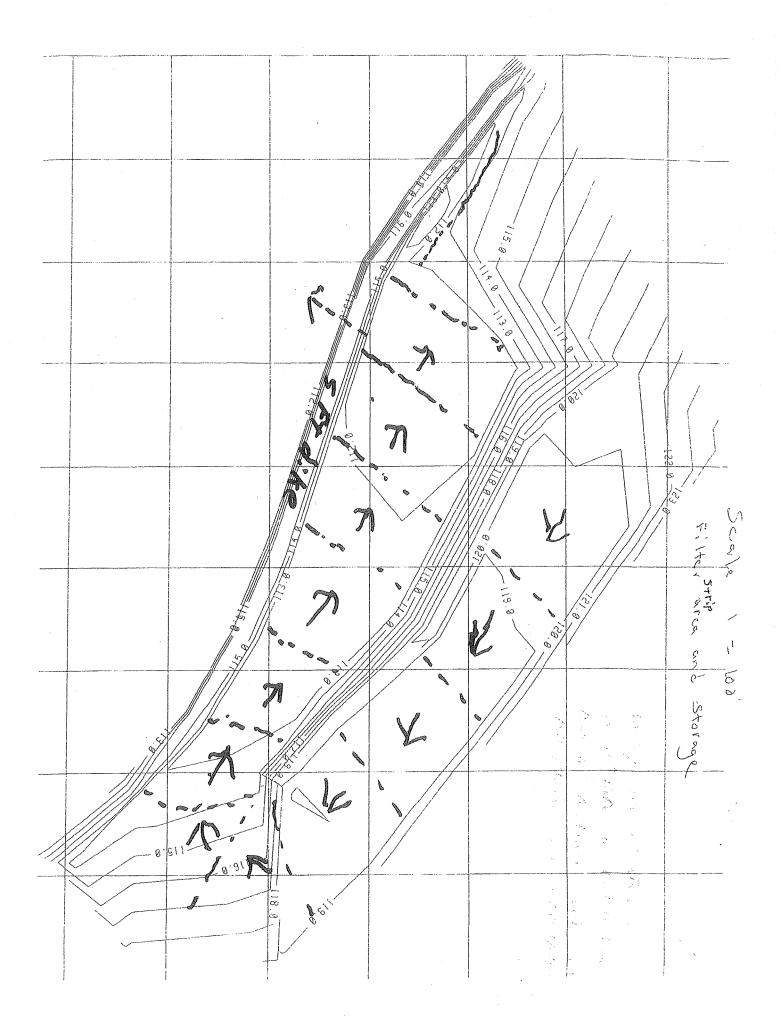
JAN 29 2014

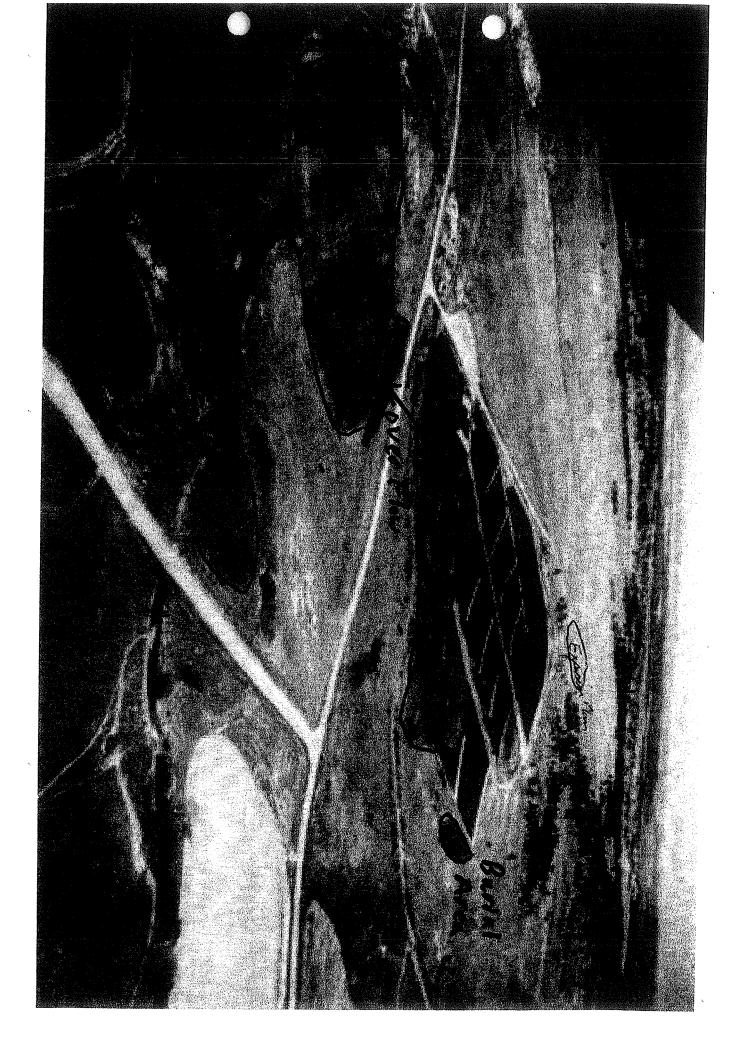
DEQWPB
PERMITTING & COMPLIANCE DIV.











1 135+1

a 61.1 <sub>a</sub> 73.9 a 76: 5 g 69.3 **.** 59. 7 ...81.6 2878.5 a 80.5 84.0 . 80.9 85.9 8998.4 91.8 \$ 87.8 \$ 87.8 = 93. k 92.4 #102.3 #99.3 # 188186.8 96.5 **98.5 "108.3** 

· 9-5-63-17

<sub>m</sub> 59.0

a 111.6

